| Index | of Claims |
|-------|-----------|
|       |           |

| Application No. | Applicant(s)     |  |
|-----------------|------------------|--|
| 09/857,311      | GROSSWANG ET AL. |  |
| Examiner        | Art Unit         |  |
| Bernard E Souw  | 2881             |  |

| √ | R jected |
|---|----------|
| = | Allowed  |

| - | (Through num ral)<br>Cancell d |  |
|---|--------------------------------|--|
| + | Restricted                     |  |

| N | Non-El cted  | / |
|---|--------------|---|
| 1 | Interference | ( |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla       | aim              |          |          |         | -            | Date         |          |            |              |          | ::::: | Cla          | aim      | Γ          |                       |          | ate                |          |                         | :      | [   | Cl       | aim      |                 |          |          | Date         |                 |                     |          |  |  |            |  |  |  |  |             |               |
|-----------|------------------|----------|----------|---------|--------------|--------------|----------|------------|--------------|----------|-------|--------------|----------|------------|-----------------------|----------|--------------------|----------|-------------------------|--------|-----|----------|----------|-----------------|----------|----------|--------------|-----------------|---------------------|----------|--|--|------------|--|--|--|--|-------------|---------------|
| UI.       |                  |          |          |         |              |              |          |            |              |          |       |              |          |            |                       |          |                    |          |                         |        |     |          |          |                 |          |          |              |                 |                     |          |  |  | Claim Date |  |  |  |  | $\neg \top$ | $\overline{}$ |
| Final     | Original         | 6/22/04  |          |         |              |              |          |            |              |          |       | Final        | Original | 6/22/04    |                       |          |                    |          |                         |        |     | Final    | Original |                 |          |          |              |                 |                     |          |  |  |            |  |  |  |  |             |               |
|           | Ō                | 9        |          |         |              |              |          |            |              |          |       |              |          |            |                       |          |                    | _        |                         | _      |     |          |          |                 | _        | igspace  |              | $\sqcup$        | $\downarrow$        | _        |  |  |            |  |  |  |  |             |               |
| <b></b>   | 1                | =        | _        |         | _            | =            | ⊨        | -          | $\vdash$     | -        |       | <u>18</u>    | 51       | =          |                       |          |                    | -        |                         |        |     |          | 101      | +               | +        | ├-       | Ш            | -               | +                   | +        |  |  |            |  |  |  |  |             |               |
|           | 2                |          | _        |         | _            | =            | =        |            |              |          |       | 19           | 52       | =          | -                     |          | $\vdash$           |          | $\vdash$                | _      |     |          | 102      |                 | +        | _        | Н            | Н               | _                   |          |  |  |            |  |  |  |  |             |               |
|           | 3                |          |          | _       | _            |              |          | _          |              | _        |       | 20           | 53       | =          | -                     |          | $\dashv$           | +        | $\vdash$                | -      |     |          | 103      |                 | +        | -        | Н            | $\vdash$        |                     |          |  |  |            |  |  |  |  |             |               |
|           | 4                |          |          |         | =            | =            | $\equiv$ |            |              | -        |       | 21           | 54       | =          |                       |          |                    | +        | $\vdash$                | -      |     |          | 104      |                 | 4        | -        | Н            | $\vdash$        | +                   |          |  |  |            |  |  |  |  |             |               |
|           | 5                |          |          |         |              | <u> </u>     |          | È          | Ì            | _        |       | 22           | 55       | =          |                       | _        |                    |          | +-+                     | -      |     |          | 105      | $\dashv$        |          | -        | Н            | $\vdash$        | +                   | —        |  |  |            |  |  |  |  |             |               |
| $\succeq$ | 6-               |          |          |         |              |              |          |            |              | _        |       | 23           | 56       | =          |                       |          | $\dashv$           | -        | <del> -  </del>         | -      |     |          | 106      | $\dashv$        |          | -        | Н            | $\vdash$        | -+                  | -        |  |  |            |  |  |  |  |             |               |
|           | 7_               |          | _        | _       | _            | =            | =        | =          | Ы            |          |       | 24           | 57       | =          |                       |          | $\dashv$           | -        |                         | _      |     |          | 107      | $\dashv$        |          | <u> </u> | Н            | Н               | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| <u></u>   | 8-               | $\equiv$ | $\equiv$ | =       | _            |              |          | <u> </u>   | Ш            | _        |       | 25           | 58       | =          |                       |          | $\rightarrow$      |          | +                       | _      |     |          | 108      | _               | +        | -        | Н            | $\vdash$        | $\dashv$            | -        |  |  |            |  |  |  |  |             |               |
|           | 9                | =        | _        | _       | _            | _            |          |            |              | _        |       | 26           | 59       | =          |                       |          |                    | -        | $\vdash$                | _      |     |          | 109      |                 |          | -        | Н            | $\vdash$        | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| _         | _10_             |          | =        |         |              | =            | _        |            |              | _        |       | 27           | 60       | =          |                       |          | _                  | 4        | +                       | _      |     |          | 110      | _               |          | ╄        | Щ            |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
|           | -11-             |          | =        |         | =            | =            | =        |            | _            |          |       | 28           | 61       | Ξ          |                       |          |                    |          | $\perp$                 | _      |     | *        | 111      |                 | <b>_</b> | ╄        | Ш            |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
|           | 12               |          | $\equiv$ |         | =            | $\equiv$     |          |            | Ы            |          |       |              | 62       |            |                       |          | $\vdash$           |          | +                       | _      |     |          | 112      | _               |          | ┼        | $\vdash$     |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| <u></u>   | -13-             |          |          |         |              |              |          |            |              | -        |       |              | 63       |            |                       |          | $\Box$             | _        | 1-1                     | _      |     |          | 113      | -               | +        |          | Ш            |                 |                     | +        |  |  |            |  |  |  |  |             |               |
| <u> </u>  | -14-             |          |          |         | _            |              |          |            |              |          |       |              | 64       | <u> </u>   |                       |          | $\rightarrow$      |          | 4                       | -      |     |          | 114      | -               | -        | ╄-       | _            | $\vdash \vdash$ | -+                  | +        |  |  |            |  |  |  |  |             |               |
|           | 15-              |          |          |         | _            |              |          | =          |              |          |       |              | 65       |            |                       |          | $\sqcup$           | $\bot$   | $\perp$                 | _      |     |          | 115      | _               | _        | -        | _            |                 | -                   | -        |  |  |            |  |  |  |  |             |               |
|           | 16_              | =        |          | _       | _            |              |          |            |              |          |       |              | 66       | L.,        |                       |          |                    |          | 1                       | _      |     |          | 116      | -               | +        | ┞        | Ш            |                 | $\dashv$            |          |  |  |            |  |  |  |  |             |               |
|           | 17               |          | _        | _       | =            | ⊨            | _        | _          |              | _        |       |              | 67       |            |                       | L        | $\perp$            |          | $\dashv$                | _      |     |          | 117      | -               | _        | 1        |              |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| <u> </u>  | _18_             |          |          |         |              |              |          |            | <u></u>      |          |       |              | 68       | ┕          | <b></b>               | L        |                    |          | $\bot$                  | _      |     |          | 118      |                 | $\bot$   | ╄-       |              |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| _         | 19-              |          |          |         |              |              |          | $\vdash$   |              | _        |       |              | 69       | <u> </u>   |                       | <u> </u> | $\perp \downarrow$ |          | $\bot$                  | _      |     |          | 119      |                 | _        | ـــ      | _            | $\sqcup$        | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
|           | 20               |          |          |         | V            | E            |          |            |              |          |       |              | 70       |            |                       | L        | $\sqcup$           |          | $\bot$                  | _      |     |          | 120      |                 | _        | -        | <u> </u>     | $\sqcup$        | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
|           | 21-              |          |          |         |              |              |          |            |              |          |       |              | 71       | <u> </u>   |                       | _        |                    | $\bot$   | $\perp$                 | _      |     | <u> </u> | 121      | $\vdash$        |          | ↓_       |              |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
|           | -22-             |          |          |         |              | _            | $oxed{}$ | <u> </u>   | L.           |          |       |              | 72       | <u> </u>   |                       |          |                    | _ _      | 4                       | _      |     |          | 122      | $\vdash$        |          | ╄        | 1.           |                 | 4                   | +        |  |  |            |  |  |  |  |             |               |
| -         | 23               |          | $\equiv$ |         | Ш            | <u> </u>     | <u> </u> | =          | =            | /        |       |              | 73       | <u> </u>   |                       | _        | Щ                  |          | 1 1                     | _      |     |          | 123      | $\vdash$        |          | ╄        | <u> </u>     |                 | _                   | +        |  |  |            |  |  |  |  |             |               |
|           | _24-             |          | _        |         |              |              | _        | <u> </u>   | <u> </u>     |          |       |              | 74       | Ļ          |                       | _        | $\vdash$           | _        | $\perp$                 | _      |     |          | 124      | $\vdash$        | _        | -        | -            | Н               | -                   | +        |  |  |            |  |  |  |  |             |               |
| <u></u>   | <del>-25</del> - |          |          |         |              |              |          | ⇇          | Ε_           |          |       |              | 75       | <u> </u>   |                       |          | Ш                  |          | 4                       | _ :    |     |          | 125      | $\vdash$        | -        | 4_       | ļ!           |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
|           | -26-             | _        | =        | _       |              |              |          | <u> </u>   | $oxed{oxed}$ |          |       |              | 76       | L          | $oxed{oxed}$          |          | $\sqcup$           |          | $\perp$                 | _      |     |          | 126      | $\perp$         | $\perp$  | -        | ╙            | Ш               | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
|           | 27               |          | $\equiv$ |         | Ш            |              |          |            |              |          |       |              | 77       | <u> </u>   |                       |          |                    | _        |                         | _      |     |          | 127      | $\perp$         |          | -        | <u> </u>     |                 | $\dashv$            |          |  |  |            |  |  |  |  |             |               |
|           | -28-             |          | =        |         |              |              |          | <u> </u>   |              |          |       | <u> </u>     | 78       | <u> </u>   | oxdot                 | _        | $\sqcup$           | _ _      | $\bot$                  | _      |     |          | 128      |                 | ᅪ        | <u> </u> | ├            | Ш               | $\rightarrow$       |          |  |  |            |  |  |  |  |             |               |
|           | _29_             | _        |          |         |              |              |          | ļ          |              |          |       |              | 79       | <u> </u>   |                       | _        | $\sqcup$           | _        | $\perp$                 | _      |     |          | 129      | $\perp$         |          | _        | _            |                 | $\dashv$            | $\dashv$ |  |  |            |  |  |  |  |             |               |
|           | -30              |          |          |         |              |              |          |            |              |          |       |              | 80       | <u> </u>   |                       |          | $\vdash$           |          | $\downarrow \downarrow$ | _      |     |          | 130      |                 |          | <u> </u> |              |                 | $\dashv$            | _        |  |  |            |  |  |  |  |             |               |
|           | _31_             | _        |          | _       |              |              | _        | _          |              |          |       |              | 81       | lacksquare |                       | _        | $\vdash$           | _        | $\sqcup$                | _      |     |          | 131      | Ц.              |          | -        | _            |                 | _                   | -        |  |  |            |  |  |  |  |             |               |
| 1_        | 32               | =        |          |         | _            | ļ            | <u> </u> | <u> </u>   |              |          |       |              | 82       | <u> </u>   |                       |          |                    |          | $\perp \perp$           | _      |     |          | 132      | $\vdash$        | _        |          | ┞            | Ш               |                     | _        |  |  |            |  |  |  |  |             |               |
| 2         | 33               | =        |          |         | <u> </u>     | <u> </u>     | <u> </u> | 1_         | Ш            | L.,      |       | <u> </u>     | 83       | _          |                       | <u> </u> | $\sqcup$           | _ _      | 1-1                     | _      |     | <b></b>  | 133      |                 | +        | 1        |              | Ш               | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| 3         | 34               | =        |          | L       | <u> </u>     | <u> </u>     | <u> </u> | ↓_         | $\vdash$     |          |       | <u> </u>     | 84       | <u> </u>   |                       | <u> </u> |                    | $\dashv$ | <del>  -  </del>        | _      |     | L        | 134      |                 | -        | 4        | ₩            | Н               |                     | +        |  |  |            |  |  |  |  |             |               |
| 4         | 35               | =        |          | <u></u> | <u> </u>     | <u> </u>     | <u> </u> | 1_         | igspace      |          |       | <u> </u>     | 85       | <u> </u>   |                       |          |                    | $\dashv$ | 4-4                     | _      |     | <b></b>  | 135      |                 | +        | <b> </b> | <u> </u>     | Н               |                     | +        |  |  |            |  |  |  |  |             |               |
|           | -36              | -        | _        | _       |              | $\vdash$     | $\vdash$ |            |              |          |       |              | 86       | _          | <u> </u>              | ــــ     | $\sqcup$           | _        | $\sqcup$                | _      |     | <u> </u> | 136      | $\vdash$        | $\dashv$ | +-       | <u> </u>     | Н               | $\dashv$            | $\dashv$ |  |  |            |  |  |  |  |             |               |
| 5         | 37               | =        |          |         | <u> </u>     | <u> </u>     | ┞-       | 1_         | <u> </u>     |          |       |              | 87       | <u> </u>   | <b> </b>              |          | $\sqcup$           | $\dashv$ | +                       | _      |     | <u> </u> | 137      |                 | $\dashv$ | -        | ऻ_           | Ш               | ,                   | $\dashv$ |  |  |            |  |  |  |  |             |               |
| 6         | 38               | =        |          |         | <u> </u>     | <u> </u>     | <u> </u> | 1_         |              |          |       |              | 88       | <u> </u>   | <b> </b>              | <u> </u> | $\sqcup$           | $\perp$  | +                       |        |     | <u> </u> | 138      |                 | +        | _        | <u> </u>     | Н               | $\dashv$            |          |  |  |            |  |  |  |  |             |               |
| 7         | 39               | =        |          | _       | <u> </u>     | <b>L</b>     | <u> </u> | 1          |              | <u> </u> |       |              | 89       |            |                       |          | $\vdash$           | $\dashv$ | 1                       | _      |     | <u> </u> | 139      |                 |          | $\vdash$ | $\vdash$     | Н               | _                   | $\dashv$ |  |  |            |  |  |  |  |             |               |
| 8         | 40               | =        |          |         | $oxed{oxed}$ | <u> </u>     | <u> </u> | 1          | Ь.           | <u> </u> |       |              | 90       | <b> </b> _ | $\sqcup \!\!\! \perp$ | ļ        | $\sqcup$           |          | 4-1                     | _      |     | <u> </u> | 140      | $\vdash \vdash$ |          | 1        | 1            | Ш               | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| 9         | 41               | =        |          |         | _            | <b>L</b>     |          | ļ.,        | _            |          |       |              | 91       | <b>L</b>   | $\vdash$              | _        | $\sqcup$           | _        | +                       | _      |     | <u> </u> | 141      | $\vdash$        |          | +        | ₩            | $\vdash$        | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| 10        | 42               | =        |          |         |              |              |          |            |              |          |       |              | 92       |            |                       |          |                    |          | +                       | $\Box$ |     | <u> </u> | 142      | -               | +        | +        | <del> </del> |                 | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| 11        | 43               | =        |          |         | _            | _            | _        | lacksquare | _            |          |       | <u> </u>     | 93       | -          |                       | _        |                    | _        | 4-4                     | _      |     |          | 143      | $\vdash \vdash$ | +        | 4-       | <b>!</b>     | $\vdash$        |                     | +        |  |  |            |  |  |  |  |             |               |
| 12        | 44               | =        |          | <u></u> | _            | _            | _        | $\vdash$   | <u> </u>     |          |       | <u> </u>     | 94       | <u> </u>   |                       | _        | Ш                  | -        | +                       | _      |     | <u> </u> | 144      | $\vdash$        | - -      | +-       | <del> </del> | <u> </u>        | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| -         | 45               | ┢╾       | <u> </u> | _       |              | $\vdash$     |          | $\vdash$   | $\vdash$     |          |       |              | 95       | _          |                       | _        |                    | $\perp$  | 1-1                     | _      |     | ļ        | 145      | $\vdash$        | - -      | +-       | 1            | $\vdash$        | $\dashv$            | -        |  |  |            |  |  |  |  |             |               |
| 13        | 46               | =        |          |         |              |              |          |            |              |          |       |              | 96       |            |                       |          |                    |          |                         |        |     |          | 146      |                 | $\bot$   | $\perp$  | 1            | $\vdash$        | $\sqcup$            |          |  |  |            |  |  |  |  |             |               |
| 14        | 47               | =        | _        | L.      |              |              |          | 1          | 1            |          |       |              | 97       | <u> </u>   |                       |          | Щ                  |          | 4-1                     | _      |     |          | 147      | ₩.              |          | 4_       | ┞-           | _               | $\dashv$            | +        |  |  |            |  |  |  |  |             |               |
| 15        | 48               | =        | _        | L.      | L            | $\perp$      | $\vdash$ | ↓_         | <u> </u>     | <u> </u> |       |              | 98       | 1_         | - -                   | $\vdash$ | <b> </b>           |          | $\perp$                 | _      |     |          | 148      | Ш.              | $\bot$   | 4_       | -            | $\vdash$        | $\vdash \downarrow$ |          |  |  |            |  |  |  |  |             |               |
| 16        | 49               | ᆖ        |          |         | L.           | $oxed{oxed}$ | _        | _          | <u> </u>     |          |       |              | 99       |            | $\sqcup \bot$         | $\perp$  | $\sqcup$           | _        | 4                       |        |     |          | 149      | $\sqcup$        |          | 4_       | -            | $\vdash$        | $\vdash \downarrow$ |          |  |  |            |  |  |  |  |             |               |
| 17        | 50               | =        |          |         |              |              | 1        |            | 1            |          |       | $oxed{oxed}$ | 100      | <u>L</u>   |                       |          | $\perp \perp$      |          |                         | :      | .;. |          | 150      | Ш.              | 丄        |          |              | <u> </u>        | <u> </u>            |          |  |  |            |  |  |  |  |             |               |